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The format of *Cumulated Abridged Index Medicus (C-AIM)* is identical to that of the monthly *Abridged Index Medicus (AIM)* with one exception: modifying subheadings are included in *C-AIM* under most subject descriptors. Subheadings used, and their definitions, are listed in the introduction to *Medical Subject Headings (MeSH®)*, which appears annually with the January issue of *Index Medicus®*.

The introduction to *AIM* contains information intended to aid its user. It is reproduced below, for it applies equally to *C-AIM.*

INTRODUCTION TO ABRIDGED INDEX MEDICUS

The *Abridged Index Medicus (AIM)* is designed to afford rapid access to selected biomedical journal literature of immediate interest to the practicing physician.

Each issue contains citations from 118 English-language journals, representing a subset of one month's input into the National Library of Medicine's computer-based MEDLARS® (Medical Literature Analysis and Retrieval System). The selection of the journals was made by the Library with guidance from a group of consultants consisting of physicians, medical editors, and medical librarians. Consideration was given to the quality of the journals, usefulness of journal content for the medical practitioner, and the need for providing coverage of all fields of clinical medicine. In some fields, where there are more high-quality journals than could be included in the bibliography, consideration was given to the availability of the journals to the American practitioner. In limiting the size of *AIM* it was necessary to omit many excellent publications. The list of journals indexed will be reviewed periodically and is subject to change. On those occasions when a physician's interests require a scanning of the literature that is not contained in *AIM*, he may turn to the full *Index Medicus®* and to numerous other bibliographic sources.

Journal issues do not arrive at the National Library of Medicine with perfect regularity, nor is it possible to maintain a precise schedule for indexing. Therefore, a given month's *AIM* may contain citations to articles from more than one issue of a monthly journal, or a journal may not be covered in a given issue of *AIM*.

USING ABRIDGED INDEX MEDICUS

Subject Headings

Input to MEDLARS® begins with the indexing of journal articles. The content of each article is analyzed and described by a group of terms (subject headings) selected from *Medical Subject Headings (MeSH®)*, the National Library of Medicine's authority list of technical terms. The bibliographic citations in *Abridged Index Medicus* appear under those subject headings. An acquaintance with *MeSH* will help the user of *AIM* determine which specific headings to consult.

When articles are indexed, the most specific term available in *MeSH* is used. Thus, if an article is concerned with erythromycin, it would be indexed under that term, rather than the broader ANTIBIOTICS. Under the latter term, one would find only: (a) articles dealing with antibiotics generally, (b) those that deal in a very general way with a large number of named antibodies, or (c) those that deal with specific antibiotics which have not been separately listed in *MeSH*.

The physician who is interested in one concept may find that the broader term is also worth examining for articles of possible interest. Although one may be interested primarily in antifungal antibiotics, articles on the general subject of antifungal agents may be useful.

The physician who wants articles on some aspect of the use of antibiotics in pediatric practice would certainly want not only general articles that would appear under ANTIBIOTICS, but also those concerned with specific antibiotics.

Monthly issues of *Abridged Index Medicus* are arranged in two sections: Subject Section and Author Section.

Subject Section

Each article cited in *AIM* will be found under several subject headings which represent the central concepts of the articles. The citation appears in full under each subject heading. Each citation contains the following elements, in order: title of article; first author; journal title abbreviation; date of issue; volume number; issue, part or supplement; and inclusive pagination.

Example:

> Hemophilia A: carrier detection and prenatal diagnosis by DNA analysis. Pecorara M, et al. **Blood** 1987 Aug; 70(2):531-5

The above citation appears under four subject headings:

DNA
HEMOPHILIA
HETEROZYGOTE DETECTION
PRENATAL DIAGNOSIS

In the citations, under each of the subject headings, only the first author's name appears. For names of other authors, refer to the Author Section.

Journal titles are abbreviated; the full title may be found by reference to the abbreviation listing on the next page.

Author Section

References in the Author Section cite authors' names; title of article; journal title abbreviations; date of issue; volume number; issue, part or supplement; and inclusive pagination.

Example:

> **Mahir MS, Hynd JW, Flute PT, Dormandy JA.** Effect of defibrinogenation on the early patency rate of experimental small calibre arterial grafts. Br J Surg 1987 Jun;74(6):508-10

An Author Section citation may provide the names of as many as ten authors of an article. If an article has eleven or more authors, this is indicated by"et al" after the tenth author's name. The complete citation is printed only under the first author's name; the second through the tenth authors' names are cross-referenced to the full citation under the first author's name, thus:

> **Kersey, JH, Weisdorf D, Nesbit ME, LeBien TW, Woods WG, McGlave PB, Kim T, Vallera DA, Goldman AI, Bostrom B, et al.** Comparison of autologous and allogeneic bone marrow transplantation for treatment of high-risk refractory acute lymphoblastic leukemia. N Engl J Med 1987 Aug 20;317(8):461-7

Bostrom B see **Kersey JH**
Goldman AI see **Kersey JH**
Kim T see **Kersey JH**
LeBien TW see **Kersey JH**
McGlave PB see **Kersey JH**
Nesbit ME see **Kersey JH**
Vallera DA see **Kersey JH**
Weisdorf Dsee **Kersey JH**
Woods WG see **Kersey JH**

Users of *Abridged Index Medicus* are invited to send comments and suggestions to:

Donald A.B. Lindberg, M.D.
Editor-in-Chief, *Index Medicus*
National Library of Medicine
Bethesda, Maryland 20894

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AJR

AMERICAN FAMILY PHYSICIAN (KANSAS CITY MO)
Am Fam Physician

AMERICAN HEART JOURNAL (ST LOUIS)
Am Heart J

AMERICAN JOURNAL OF CARDIOLOGY (NEW YORK)
Am J Cardiol

AMERICAN JOURNAL OF CLINICAL NUTRITION (BETHESDA MD)
Am J Clin Nutr

AMERICAN JOURNAL OF CLINICAL PATHOLOGY (PHILADELPHIA)
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AMERICAN JOURNAL OF DISEASES OF CHILDREN (CHICAGO)
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AMERICAN JOURNAL OF MEDICINE (NEWTON MA)
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AMERICAN JOURNAL OF NURSING (NEW YORK)
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AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY (ST. LOUIS)
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Am J Ophthalmol

AMERICAN JOURNAL OF PATHOLOGY (PHILADELPHIA)
Am J Pathol

AMERICAN JOURNAL OF PHYSICAL MEDICINE AND REHABILITATION (BALTIMORE)
Am J Phys Med Rehabil

AMERICAN JOURNAL OF PSYCHIATRY (WASHINGTON)
Am J Psychiatry

AMERICAN JOURNAL OF PUBLIC HEALTH (WASHINGTON)
Am J Public Health

AMERICAN JOURNAL OF SURGERY (NEWTON MA)
Am J Surg

AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE (LAWRENCE KS)
Am J Trop Med Hyg

AMERICAN REVIEW OF RESPIRATORY DISEASE (NEW YORK)
Am Rev Respir Dis

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Anaesthesia

ANESTHESIA AND ANALGESIA (NEW YORK)
Anesth Analg

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ANNALS OF EMERGENCY MEDICINE (DALLAS TX)
Ann Emerg Med

ANNALS OF INTERNAL MEDICINE (PHILADELPHIA)
Ann Intern Med

ANNALS OF OTOLOGY, RHINOLOGY AND LARYNGOLOGY (ST LOUIS)
Ann Otol Rhinol Laryngol

ANNALS OF SURGERY (PHILADELPHIA)
Ann Surg

ANNALS OF THORACIC SURGERY (BOSTON)
Ann Thorac Surg

ARCHIVES OF DERMATOLOGY (CHICAGO)
Arch Dermatol

ARCHIVES OF DISEASE IN CHILDHOOD (LONDON)
Arch Dis Child

ARCHIVES OF ENVIRONMENTAL HEALTH (WASHINGTON)
Arch Environ Health

ARCHIVES OF GENERAL PSYCHIATRY (CHICAGO)
Arch Gen Psychiatry

ARCHIVES OF INTERNAL MEDICINE (CHICAGO)
Arch Intern Med

ARCHIVES OF NEUROLOGY (CHICAGO)
Arch Neurol

ARCHIVES OF OPHTHALMOLOGY (CHICAGO)
Arch Ophthalmol

ARCHIVES OF OTOLARYNGOLOGY — HEAD AND NECK SURGERY (CHICAGO)
Arch Otolaryngol Head Neck Surg

ARCHIVES OF PATHOLOGY AND LABORATORY MEDICINE (CHICAGO)
Arch Pathol Lab Med

ARCHIVES OF PHYSICAL MEDICINE AND REHABILITATION (CHICAGO)
Arch Phys Med Rehabil

ARCHIVES OF SURGERY (CHICAGO)
Arch Surg

ARTHRITIS AND RHEUMATISM (ATLANTA GA)
Arthritis Rheum

B

BLOOD (NEW YORK)
Blood

BRAIN (OXFORD)
Brain

BRITISH HEART JOURNAL (LONDON)
Br Heart J

BRITISH JOURNAL OF OBSTETRICS AND GYNAECOLOGY (OXFORD)
Br J Obstet Gynaecol

BRITISH JOURNAL OF RADIOLOGY (LONDON)
Br J Radiol

BRITISH JOURNAL OF RHEUMATOLOGY (LONDON)
Br J Rheumatol

BRITISH JOURNAL OF SURGERY (LONDON)
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BRITISH MEDICAL JOURNAL [CLINICAL RESEARCH ED.] (LONDON)
Br Med J [Clin Res]

C

CA: A CANCER JOURNAL FOR CLINICIANS (NEW YORK)
CA

CANADIAN MEDICAL ASSOCIATION JOURNAL (OTTAWA)
Can Med Assoc J

CANCER (PHILADELPHIA)
Cancer

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Chest

CIRCULATION (DALLAS TX)
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DIABETES (NEW YORK)
Diabetes

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Dis Mon

E

ENDOCRINOLOGY (BALTIMORE)
Endocrinology

G

GASTROENTEROLOGY (NEW YORK)
Gastroenterology

GERIATRICS (MIDDLEBURG OH)
Geriatrics

GUT (LONDON)
Gut

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HEART AND LUNG (ST LOUIS)
Heart Lung

HOSPITAL PRACTICE (OFFICE EDITION) (NEW YORK)
Hosp Pract [Off]

HOSPITALS (CHICAGO)
Hospitals

J

JAMA (CHICAGO)
JAMA

JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY (ST LOUIS)
J Allergy Clin Immunol

JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY (NEW YORK)
J Am Coll Cardiol

JOURNAL OF THE AMERICAN DIETETIC ASSOCIATION (CHICAGO)
J Am Diet Assoc

JOURNAL OF BONE AND JOINT SURGERY. AMERICAN VOLUME (BOSTON)
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J Bone Joint Surg [Br]

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1988

ABRIDGED INDEX MEDICUS

SUBJECT SECTION

A-23187

PHARMACOLOGY

Synergistic action of calcium ionophore A23187 and phorbol ester TPA on B-chronic lymphocytic leukemia cells. Drexler HG, et al. **Blood** 1987 Nov;70(5):1536–42

Role of enhanced arachidonate availability through phospholipase A2 pathway in mediation of increased prostaglandin synthesis by glomeruli from diabetic rats. Craven PA, et al. **Diabetes** 1988 Apr;37(4):429–35

Regulation of relaxin release from monodispersed porcine luteal cells: effect of calcium ionophore A23187 and calcium channel blockers. Taylor MJ, et al. **Endocrinology** 1988 Oct;123(4):1893–901

Effects of a phorbol ester, a calcium ionophore, and 3',5'-adenosine monophosphate production on hen granulosa cell plasminogen activator activity. Tilly JL, et al. **Endocrinology** 1988 Sep;123(3):1433–41

Source of endogenous arachidonate and 5-lipoxygenase products in human neutrophils stimulated by bradykinin and A23187. Nielsen OH, et al. **Gut** 1988 Mar;29(3):319–24

Phorbol ester and A23187 have additive but mechanistically separate effects on vasopressin action in rabbit collecting tubule. Ando Y, et al. **J Clin Invest** 1988 May;81(5):1578–84

Stepwise activation of T cells. Role of the calcium ionophore A23187. Geller RL, et al. **J Immunol** 1987 Dec 15; 139(12):3930–4

The AKR thymoma BW5147 is able to produce lymphokines when stimulated with calcium ionophore and phorbol ester. Hagiwara H, et al. **J Immunol** 1988 Mar 1;140(5):1561–5

Anti-CD2 monoclonal antibodies and calcium ionophore A23187 modulate lytic activity in CD4+ and CD8+ alloreactive clones. Inverardi L, et al. **J Immunol** 1988 May 1;140(9):2876–9

Calcium ionophore A23187 does not stimulate lipopolysaccharide nonresponsive C3H/HeJ peritoneal macrophages to produce interleukin 1. Shinomiya H, et al. **J Immunol** 1987 Oct 15;139(8):2730–6

ABATTOIRS

Serological study of Campylobacter jejuni infection in slaughterhouse workers [letter] Mancinelli S, et al. **J Infect Dis** 1987 Nov;156(5):856

Group A beta-hemolytic streptococcal skin infections in a US meat-packing plant. Fehrs LJ, et al. **JAMA** 1987 Dec 4;258(21):3131–4

Campylobacter pylori in abattoir workers: is it a zoonosis? Vaira D, et al. **Lancet** 1988 Sep 24;2(8613):725–6

ABBREVIATIONS

Abbreviations in the Journal of Laboratory and Clinical Medicine [letter] **J Lab Clin Med** 1988 Feb;111(2):257

ABBRS [editorial] Fred HL. **South Med J** 1987 Nov; 80(11):1339

ABDOMEN

Retained surgical sponge: diagnosis with CT and sonography. Choi BI, et al. **AJR** 1988 May;150(5):1047–50

Fitz-Hugh–Curtis syndrome. Perlman PE, et al. **Am Fam Physician** 1987 Oct;36(4):162–4

Electrocardiographic changes in patients with upper abdominal pain admitted to a surgical ward. Bødker B, et al. **Am J Cardiol** 1987 Nov 15;60(14):1188–9

Microbiology of intra-abdominal abscesses in children. Brook I. **Am J Dis Child** 1987 Nov;141(11):1148–9

Chlamydia trachomatis Fitz-Hugh–Curtis syndrome without salpingitis in female adolescents. Katzman DK, et al. **Am J Dis Child** 1988 Sep;142(9):996–8

Sterile splenic abscesses in systemic Weber–Christian disease. Unique source of abdominal pain. Lemley DE, et al. **Am J Med** 1987 Sep;83(3):567–70

Roux-Y stasis syndrome after gastrectomy. Gustavsson S, et al. **Am J Surg** 1988 Mar;155(3):490–4

Intraabdominal sepsis after hepatic trauma. Scott CM, et al. **Am J Surg** 1988 Feb;155(2):284–8

Acute somatic pain can refer to sites of chronic abdominal pain. Sandford PR, et al. **Arch Phys Med Rehabil** 1988 Jul;69(7):532–3

Improved treatment of intra-abdominal abscess. A result of improved localization, drainage, and patient care, not technique. Deveney CW, et al. **Arch Surg** 1988 Sep; 123(9):1126–30

Clinical features of women with chronic lower abdominal pain and pelvic congestion. Beard RW, et al. **Br J Obstet Gynaecol** 1988 Feb;95(2):153–61

Non-specific acute abdominal pain [letter] Jones PF. **Br J Surg** 1987 Aug;74(8):758–9

Postoperative intra-abdominal sepsis. Rogers PN, et al. **Br J Surg** 1987 Nov;74(11):973–5 (51 ref.)

The eyes closed sign. Collin J, et al. **Br Med J [Clin Res]** 1987 Dec 19–26;295(6613):1656

Ruptured abdominal aortic aneurysm presenting as ureteric colic [letter] de Dombal FT, et al. **Br Med J [Clin Res]** 1987 Oct 24;295(6605):1063–4

Acute abdominal pain due to an acquired disorder of coagulation. Roy V, et al. **Br Med J [Clin Res]** 1988 May 21;296(6634):1460

Abdominal pain and disorder of coagulation [letter] Yaqoob M, et al. **Br Med J [Clin Res]** 1988 Jul 2;297(6640):67

Diagnostic significance of abdominal murmurs [editorial] **Can Med Assoc J** 1968 Jan 20;98(3):172–3

Active abdominal tuberculosis in Canada in 1970–81. Jakubowski A, et al. **Can Med Assoc J** 1987 Nov 15; 137(10):897–900

Interposed abdominal compressions and carotid blood flow during cardiopulmonary resuscitation. Support for a thoracoabdominal unit. Einagle V, et al. **Chest** 1988 Jun; 93(6):1206–12

Abdominal-hip joint fistula. Complicated revision of total hip arthroplasty for false aneurysm of external iliac artery. A case report. Korovesis P, et al. **Clin Orthop** 1988 Jun; (231):71–5

Recurrent abdominal pain as the sole manifestation of hereditary angioedema in multiple family members. Weinstock LB, et al. **Gastroenterology** 1987 Nov; 93(5):1116–8

Functional abdominal pain, psychiatric illness, and life events. Creed F, et al. **Gut** 1988 Feb;29(2):235–42

A healthy young woman with sudden, severe abdominal pain. Murray BJ. **Hosp Pract [Off]** 1987 Oct 30;22(10A):67–8, 73

Prolonged abdominal pain in a diabetic child. Schindler AM, et al. **Hosp Pract [Off]** 1988 Mar 15;23(3):134–6

Effect of hyperbaric oxygenation, combined with antimicrobial agents and surgery, in a rat model of intraabdominal infection. Muhvich KH, et al. **J Infect Dis** 1988 May;157(5):1058–61

Recurrent abdominal pain and ascites in an adolescent [clinical conference] Hyams JS, et al. **J Pediatr** 1988 Sep; 113(3):569–74

Intra-abdominal abscess after penetrating abdominal trauma. Ivatury RR, et al. **J Trauma** 1988 Aug;28(8):1238–43

Tick bite appendicitis [letter] Schwartz E, et al. **JAMA** 1988 Jun 24;259(24):3561

Factor XII deficiency associated with loin pain/haematuria syndrome [letter] Smellie SW, et al. **Lancet** 1987 Dec 5; 2(8571):1330

How to differentiate GI irritation from other causes of chest and upper abdominal pain. Chandler F. **Postgrad Med** 1988 Jul;84(1):277

Retained surgical sponges: CT and US appearance. Kokubo T, et al. **Radiology** 1987 Nov;165(2):415–8

A simple method for retraction of upper abdominal viscera in pelvic operations. Ikard RW. **Surg Gynecol Obstet** 1988 Jul;167(1):70–1

ANATOMY & HISTOLOGY

Overcoming motion in abdominal MR imaging. Wood ML, et al. **AJR** 1988 Mar;150(3):513–22

Abdominal composition quantified by computed tomography. Baumgartner RN, et al. **Am J Clin Nutr** 1988 Oct;48(4):936–45

Genetic factors in abdominal obesity, a risk factor for stroke [letter] Forbes GB, et al. **N Engl J Med** 1988 Apr 21; 318(16):1070

Motion artifact reduction in MR imaging of the abdomen: gradient moment nulling versus respiratory-sorted phase encoding. Mitchell DG, et al. **Radiology** 1988 Oct; 169(1):155–60

PARASITOLOGY

Abdominal angiostrongylosis in an African man: case study. Baird JK, et al. **Am J Trop Med Hyg** 1987 Sep;37(2):353–6

Adult Mansonella perstans in the abdominal cavity in nine Africans. Baird JK, et al. **Am J Trop Med Hyg** 1987 Nov; 37(3):578–84

PATHOLOGY

Widening waistline and 25-pound weight loss. Glatt A. **Hosp Pract [Off]** 1987 Dec 15;22(12):66, 68–9

PHYSIOLOGY

Rib cage and abdominal volume displacements during breathing in pregnancy. Gilroy RJ, et al. **Am Rev Respir Dis** 1988 Mar;137(3):668–72

The abdominojugular test: technique and hemodynamic correlates. Ewy GA. **Ann Intern Med** 1988 Sep 15; 109(6):456–60

PHYSIOPATHOLOGY

Abdominal distention as an indication of post-polio ventilatory insufficiency. Clinical note. Saltzstein RJ, et al. **Am J Phys Med Rehabil** 1988 Apr;67(2):85–6

A simple technique to accurately determine intra-abdominal pressure. Iberti TJ, et al. **Crit Care Med** 1987 Dec; 15(12):1140–2

Factors that influence induction of gastroesophageal reflux in normal human subjects. Dent J, et al. **Dig Dis Sci** 1988 Mar;33(3):270–5

RADIATION EFFECTS

Toxicity of abdominopelvic radiation in advanced ovarian carcinoma patients after cisplatin/cyclophosphamide therapy and second-look laparotomy. Shelley WE, et al. **Obstet Gynecol** 1988 Mar;71(3 Pt 1):327–32

RADIOGRAPHY

Air-bolus technique for optimal contrast enhancement in abdominal CT studies [letter] Conrad MR. **AJR** 1988 Aug; 151(2):413

Abdominal case of the day. Gore RM, et al. **AJR** 1988 Jun; 150(6):1427–31

Right lower quadrant pain in the immunocompromised patient: CT findings in 10 cases. Merine DS, et al. **AJR** 1987 Dec;149(6):1177–9

IV contrast material for abdominal CT: comparison of three methods of administration. Platt JF, et al. **AJR** 1988 Aug; 151(2):275–7

Efficacy of plain abdominal radiography in patients with gastrointestinal bleeding. Hatfield E, et al. **Ann Emerg Med** 1988 Sep;17(9):903–5

Emphysematous pyelonephritis: an emergency indication for the plain abdominal radiograph. Ouellet LM, et al. **Ann Emerg Med** 1988 Jul;17(7):722–4

Plain abdominal radiographs and acute abdominal pain. Campbell JP, et al. **Br J Surg** 1988 Jun;75(6):554–6

Pneumatosis masquerading as abdominal free air. von Maluski FC. **Postgrad Med** 1988 Jun;83(8):101–2, 105

Upper abdomen: CT findings following partial hepatectomy. Letourneau JG, et al. **Radiology** 1988 Jan;166(1 Pt 1):139–41

Upper abdomen: CT findings following partial hepatectomy [letter] Quinn SF, et al. **Radiology** 1988 Sep;168(3):879–80

SURGERY

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ACIDOSIS

BLOOD

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ACIDOSIS, DIABETIC

BLOOD

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ACIDOSIS, LACTIC

BLOOD

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ACIDOSIS, RENAL TUBULAR

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CHEMICALLY INDUCED

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COMPLICATIONS

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DRUG THERAPY

Alkali action on the urinary crystallization of calcium salts: contrasting responses to sodium citrate and potassium citrate. Preminger GM, et al. **J Urol** 1988 Feb;139(2):240–2

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The syndrome of distal (type 1) renal tubular acidosis. Clinical and laboratory findings in 58 cases. Caruana RJ, et al. **Medicine (Baltimore)** 1988 Mar;67(2):84–99

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ADENOMA, VIRILIZING

DIAGNOSIS

Large benign virilizing adrenal adenoma. Martin RS 3d, et al. **South Med J** 1988 Apr;81(4):541-3

METABOLISM

Virilizing adrenal adenoma in a 15-year-old girl [letter] Lee PD, et al. **JAMA** 1988 Mar 11;259(10):1497-8

SECRETION

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ADENOSINE

Effects of adenosine-induced hypotension on myocardial hemodynamics and metabolism in fentanyl anesthetized patients with peripheral vascular disease. Owall A, et al. **Anaesthesiology** 1988 Mar;68(3):416-21

ADMINISTRATION & DOSAGE

Influence of infused adenosine on bronchial tone and bronchial reactivity in asthma. Larsson K, et al. **Chest** 1988 Feb;93(2):280-4

Adenosine injection [letter] Cairns CJ, et al. **Lancet** 1988 May 14;1(8594):1105

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ANALOGS & DERIVATIVES

Polyamine metabolism as a target for growth inhibition of Acanthamoeba culbertsoni. Gupta S, et al. **Am J Trop Med Hyg** 1987 Nov;37(3):550-5

Adenosine dialdehyde and nitrous oxide induce HL-60 differentiation. Pilz RB, et al. **Blood** 1987 Oct;70(4):1161-4

Adenosine receptor-mediated effects by nonmetabolizable adenosine analogs in preovulatory rat granulosa cells: a putative local regulatory role of adenosine in the ovary. Billig H, et al. **Endocrinology** 1988 Jan;122(1):52-61

DIAGNOSTIC USE

Adenosine in the diagnosis of broad complex tachycardia. Griffith MJ, et al. **Lancet** 1988 Mar 26;1(8587):672-5

METABOLISM

Monoclonal antibodies to adenosine receptor by an auto-anti-idiotypic approach. Ku HH, et al. **J Immunol** 1987 Oct 1;139(7):2376-84

PHARMACOLOGY

Regional hemodynamics and oxygen supply during isovolemic hemodilution alone and in combination with adenosine-induced controlled hypotension. Crystal GJ, et al. **Anesth Analg** 1988 Mar;67(3):211-8

Pre- and postganglionic sympathetic nerve activity during induced hypotension with adenosine or sodium nitroprusside in the anesthetized rat. Delle M, et al. **Anesth Analg** 1988 Apr;67(4):307-12

Effects of adenosine-induced hypotension on myocardial hemodynamics and metabolism during cerebral aneurysm surgery. Owall A, et al. **Anesth Analg** 1988 Mar; 67(3):228-32

Effects of beta- and alpha-adrenergic agonists, adenosine, and carbachol in heart muscle isolated from malignant hyperthermia susceptible swine. Böhm M, et al. **Anesthesiology** 1988 Jan;68(1):38-43

Reduction of reperfusion injury in the canine preparation by intracoronary adenosine: importance of the endothelium and the no-reflow phenomenon. Olafsson B, et al. **Circulation** 1987 Nov;76(5):1135-45

Adenosine inhibition of the hormonal response in the Sertoli cell is reversed by pertussis toxin. Monaco L, et al. **Endocrinology** 1988 Jun;122(6):2692-8

Mitochondria mediate amplification of luteinizing hormone action by adenosine in luteal cells. Soodak LK, et al. **Endocrinology** 1988 Apr;122(4):1308-13

Selective amplification of luteinizing hormone by adenosine in rat luteal cells. Soodak LK, et al. **Endocrinology** 1988 Mar;122(3):847-54

Role for intrarenal adenosine in the renal hemodynamic response to contrast media. Arend LJ, et al. **J Lab Clin Med** 1987 Oct;110(4):406-11

Modulation of erythropoietin production by adenosine. Paul P, et al. **J Lab Clin Med** 1988 Aug;112(2):168-73

Adenosine stimulates glucose uptake in the isolated rat heart. Mainwaring R, et al. **Surgery** 1988 Apr;103(4):445-9

PHYSIOLOGY

Endogenous and exogenous adenosine inhibit granulocyte aggregation without altering the associated rise in intracellular calcium concentration. Skubitz KM, et al. **Blood** 1988 Jul;72(1):29-33

Adenosine is required for myocardial insulin responsiveness in vivo. Law WR, et al. **Diabetes** 1988 Jun;37(6):842-5

Adenosine receptor-mediated effects by nonmetabolizable adenosine analogs in preovulatory rat granulosa cells: a putative local regulatory role of adenosine in the ovary. Billig H, et al. **Endocrinology** 1988 Jan;122(1):52-61

THERAPEUTIC USE

Usefulness of adenosine for arrhythmias in infants and children. Overholt ED, et al. **Am J Cardiol** 1988 Feb 1; 61(4):336-40

ADENOSINE CYCLIC MONOPHOSPHATE

ANALOGS & DERIVATIVES

Site-selective cAMP analogs at micromolar concentrations induce growth arrest and differentiation of acute promyelocytic, chronic myelocytic, and acute lymphocytic human leukemia cell lines. Tortora G, et al. **Blood** 1988 Jan;71(1):230-3

ANALYSIS

Gastric cell c-AMP stimulating autoantibodies in duodenal ulcer disease. De Lazzari F, et al. **Gut** 1988 Jan;29(1):94-100

BIOSYNTHESIS

Parathyroid hormone and hypophosphatemia [letter] Thode J, et al. **Ann Intern Med** 1988 Apr;108(4):641-2

Thyrotropin induces growth and iodothyronine production in a human thyroid cell line without affecting adenosine 3',5'-monophosphate production. Karsenty G, et al. **Endocrinology** 1988 Oct;123(4):1977-83

The 7-34-fragment of human hypercalcemia factor is a partial agonist/antagonist for parathyroid hormone-stimulated cAMP production. McKee RL, et al. **Endocrinology** 1988 Jun;122(6):3008-10

A sensitive thyrotropin (TSH) bioassay based on iodide uptake in rat FRTL-5 thyroid cells: comparison with the adenosine 3',5'-monophosphate response to human serum TSH and enzymatically deglycosylated bovine and human TSH. Nissim M, et al. **Endocrinology** 1987 Oct; 121(4):1278-87

Relationship between phospholipase C activation and prostaglandin E2 and cyclic adenosine monophosphate production in rabbit tubular epithelial cells. Effects of angiotensin, bradykinin, and arginine vasopressin. Welsh C, et al. **J Clin Invest** 1988 Mar;81(3):710-9

BLOOD

Intranasal calcitonin and prevention of postmenopausal bone loss [letter] Thamsborg G, et al. **Lancet** 1988 Feb 20; 1(8582):413

METABOLISM

Monitoring calcium intake in osteoporosis by assay of nephrogenous cyclic AMP. Licata A, et al. **Am J Clin Nutr** 1988 Jun;47(6):1022-4

Stimulation of cAMP accumulation and superoxide production in human neutrophils and monocytes. Shahed AR, et al. **Am J Med Sci** 1988 Mar;295(3):178-82

Cyclic AMP signal transduction in posttraumatic stress disorder. Lerer B, et al. **Am J Psychiatry** 1987 Oct; 144(10):1324-7

Polymorphonuclear leukocyte inhibition by therapeutic concentrations of theophylline is mediated by cyclic-3',5'-adenosine monophosphate. Nielson CP, et al. **Am Rev Respir Dis** 1988 Jan;137(1):25-30

Impaired mobility of human T lymphocyte surface molecules during inactive systemic lupus erythematosus. Relationship to a defective cAMP pathway. Kammer GM, et al. **Arthritis Rheum** 1988 Jan;31(1):88-98

Discrepancy between effects of cholera toxin on net fluid movement and cAMP levels in rat jejunum, ileum, and colon. Farack UM, et al. **Dig Dis Sci** 1988 Sep;33(9):1153-8

Dual effects of calcitonin and calcitonin gene-related peptide on intracellular cyclic 3',5'-monophosphate in a human breast cancer cell line. Barsony J, et al. **Endocrinology** 1988 Apr;122(4):1218-23

Alpha 1-adrenergic potentiation of vasoactive intestinal peptide stimulation of rat pinealocyte adenosine 3',5'-monophosphate and guanosine 3',5'-monophosphate: evidence for a role of calcium and protein kinase-C. Chik CL, et al. **Endocrinology** 1988 Feb;122(2):702-8

Dual receptor regulation of cyclic nucleotides: alpha 1-adrenergic potentiation of vasoactive intestinal peptide stimulation of pinealocyte adenosine 3',5'-monophosphate. Chik CL, et al. **Endocrinology** 1988 Apr;122(4):1646-51

Age-related and testicular regression-induced changes in adenosine 3',5'-monophosphate responses in cultured hamster Sertoli cells. Heindel JJ. **Endocrinology** 1988 Feb; 122(2):475-81

Arginine vasopressin increases cellular free calcium concentration and adenosine 3',5'-monophosphate production in rat renal papillary collecting tubule cells in culture. Ishikawa S, et al. **Endocrinology** 1988 Sep; 123(3):1376-84

Effect of estrogen on adenosine 3'5',cyclic monophosphate in quail oviduct: possible involvement in estradiol-activated growth. Laugier C, et al. **Endocrinology** 1988 Jan; 122(1):158-64

The effect of parathyroid hormone and atrial natriuretic peptide on cyclic nucleotides production and proliferation of avian epiphyseal growth plate chondroprogenitor cells. Pines M, et al. **Endocrinology** 1988 Jul;123(1):360-5

Pathogenesis of autonomous thyroid nodules: in vitro study of iodine and adenosine 3',5'-monophosphate metabolism. Van Sande J, et al. **J Clin Endocrinol Metab** 1988 Mar; 66(3):570-9

Atrial natriuretic factor reduces cyclic adenosine monophosphate content of human fibroblasts by enhancing phosphodiesterase activity. Lee MA, et al. **J Clin Invest** 1988 Aug;82(2):388-93

Calcium and cyclic adenosine monophosphate as second messengers for vasopressin in the rat inner medullary collecting duct. Star RA, et al. **J Clin Invest** 1988 Jun; 81(6):1879-88

Reduced cAMP-dependent phosphorylation in striatum and nucleus accumbens of aged rats: evidence of an altered functioning of D1 dopaminoceptive neurons. Govoni S, et al. **J Gerontol** 1988 Jul;43(4):B93-7

PHARMACOLOGY

Inhibition of follicle-stimulating hormone- and adenosine-3',5'-cyclic monophosphate-induced progesterone production by calcium and protein kinase C in the rat ovary. Leung PC, et al. **Am J Obstet Gynecol** 1988 Feb;158(2):350-6

Effect of tolbutamide and glyburide on cAMP-dependent protein kinase activity in rat liver cytosol. Okuno S, et al. **Diabetes** 1988 Jul;37(7):857-61

Regulation of sodium-dependent phosphate transport by parathyroid hormone in opossum kidney cells: adenosine 3',5'-monophosphate-dependent and -independent mechanisms. Cole JA, et al. **Endocrinology** 1988 Jun;122(6):2981-9

Estrogens, cyclic adenosine 3',5'-monophosphate, and phorbol esters modulate the prolactin response of GH3 cells to basic fibroblast growth factor. Mormède P, et al. **Endocrinology** 1988 May;122(5):2265-71

Differential regulation of messenger ribonucleic acids for specific subunits of cyclic adenosine 3',5'-monophosphate (cAMP)-dependent protein kinase by cAMP in rat Sertoli cells. Oyen O, et al. **Endocrinology** 1988 Jun;122(6):2658-66

Regulation of ornithine decarboxylase activity by IL-2 and cyclic AMP. Farrar WL, et al. **J Immunol** 1988 Aug 1;141(3):967-71

Regulation of human basophil and lung mast cell function by cyclic adenosine monophosphate. Peachell PT, et al. **J Immunol** 1988 Jan 15;140(2):571-9

PHYSIOLOGY

Reentry and cyclic AMP-mediated triggered activity: dual mechanisms of ventricular tachycardia in healed myocardial infarction. Belhassen B, et al. **Am J Cardiol** 1988 May 1;61(13):1152-4

Combined effect of adenosine 3',5'-cyclic monophosphate stimulating agents, vitamin E succinate, and heat on the survival of murine B-16 melanoma cells in culture. Sahu SN, et al. **Cancer** 1988 Sep 1;62(5):949-53

The role of cyclic nucleotides in atrial natriuretic peptide-mediated inhibition of aldosterone secretion. Barrett PQ, et al. **Endocrinology** 1988 Mar;122(3):799-808

Induction of type II 5'-deiodinase activity by cyclic adenosine 3', 5'-monophosphate in cultured rat astroglial cells. Courtin F, et al. **Endocrinology** 1988 Sep;123(3):1577-81

Adenosine 3',5'-monophosphate-dependent loss of growth hormone binding in rat adipocytes. Gorin E, et al. **Endocrinology** 1988 Jul;123(1):328-34

Prostaglandin E1 and F2 alpha stimulate differentiation and proliferation, respectively, of clonal osteoblastic MC3T3-E1 cells by different second messengers in vitro. Hakeda Y, et al. **Endocrinology** 1987 Dec;121(6):1966-74

Effects of thyrotropin, carbachol, and protein kinase-C stimulators on glucose transport and glucose oxidation by primary cultures of dog thyroid cells. Haraguchi K, et al. **Endocrinology** 1988 Sep;123(3):1288-95

Dual regulation of 3 beta-hydroxysteroid dehydrogenase, 17 alpha-hydroxylase, and dehydroepiandrosterone sulfotransferase by adenosine 3',5'-monophosphate and activators of protein kinase C in cultured human adrenocortical cells. McAllister JM, et al. **Endocrinology** 1988 May;122(5):2012-8

Acute stimulation of corpus luteum cells by gonadotrophin or adenosine 3',5'-monophosphate causes accumulation of a phosphoprotein concurrent with acceleration of steroid synthesis. Pon LA, et al. **Endocrinology** 1988 Oct;123(4):1942-8

Epidermal growth factor but not insulin-like growth factor-I potentiates adenosine 3',5'-monophosphate-mediated chorionic gonadotropin secretion by cultured human choriocarcinoma cells. Ritvos O, et al. **Endocrinology** 1988 Aug;123(2):859-65

Effects of thyroid-stimulating hormone, carbachol, norepinephrine, and adenosine 3',5'-monophosphate on polyphosphatidylinositol phosphate hydrolysis in dog thyroid slices. Taguchi M, et al. **Endocrinology** 1988 Oct;123(4):2019-26

Adenosine 3',5'-monophosphate mediates both the mitogenic effect of thyrotropin and its ability to amplify the response to insulin-like growth factor I in FRTL5 cells. Tramontano D, et al. **Endocrinology** 1988 Jan;122(1):127-32

The role of adenosine 3',5'-monophosphate in the regulation of receptors for thyrotropin and insulin-like growth factor I in the FRTL5 rat thyroid follicular cell. Tramontano D, et al. **Endocrinology** 1988 Jan;122(1):133-6

High density lipoproteins stimulate placental lactogen release and adenosine 3',5'-monophosphate (cAMP) production in human trophoblast cells: evidence for cAMP as a second messenger in human placental lactogen release. Wu YQ, et al. **Endocrinology** 1988 Oct;123(4):1879-84

Evidence that parathyroid hormone-mediated calcium transport in rat brain synaptosomes is independent of cyclic adenosine monophosphate. Fraser CL, et al. **J Clin Invest** 1988 Apr;81(4):982-8

The requirement for high intracellular cyclic adenosine monophosphate concentrations distinguishes two pathways of B cell activation induced with lymphokines and antibody to immunoglobulin. Hoffmann MK. **J Immunol** 1988 Jan 15;140(2):580-2

Cyclic AMP concentrations modulate both calcium flux and hydrolysis of phosphatidylinositol phosphates in mouse T lymphocytes. Lerner A, et al. **J Immunol** 1988 Feb 1;140(3):936-40

Modulation of a human lymphoblastoid B cell line by cyclic AMP. Ig secretion and phosphatidylcholine metabolism. Shearer WT, et al. **J Immunol** 1988 Sep 1;141(5):1678-86

ADENOSINE DIPHOSPHATE

The role of fibrinogen A alpha chains in ADP-induced platelet aggregation in the presence of fibrinogen molecules containing gamma' chains. Amrani DL, et al. **Blood** 1988 Sep;72(3):919-24

BIOSYNTHESIS

Platelets in tumor metastasis: generation of adenosine diphosphate by tumor cells is specific but unrelated to metastatic potential. Grignani G, et al. **Blood** 1988 Apr;71(4):844-9

METABOLISM

Identification of high-affinity (Kd 0.35 mumol/L) and low-affinity (Kd 7.9 mumol/L) platelet binding sites for ADP and competition by ADP analogues. Jefferson JR, et al. **Blood** 1988 Jan;71(1):110-6

PHARMACOLOGY

von Willebrand factor is present on the surface of platelets stimulated in plasma by ADP. Adelman B, et al. **Blood** 1987 Nov;70(5):1362-6

Subsecond calcium dynamics in ADP- and thrombin-stimulated platelets: a continuous-flow approach using indo-1. Jones GD, et al. **Blood** 1988 Jun;71(6):1539-43

Shear-induced platelet aggregation can be mediated by vWF released from platelets, as well as by exogenous large or unusually large vWF multimers, requires adenosine diphosphate, and is resistant to aspirin. Moake JL, et al. **Blood** 1988 May;71(5):1366-74

Immunocytochemical localization of fibrinogen on washed human platelets. Lack of requirement for fibrinogen during adenosine diphosphate-induced responses and enhanced fibrinogen binding in a medium with low calcium levels. Suzuki H, et al. **Blood** 1988 Apr;71(4):850-60

Specific correction of impaired acid hydrolase secretion in storage pool-deficient platelets by adenosine diphosphate. Lages B, et al. **J Clin Invest** 1988 Jun;81(6):1865-72

Combined arachidonic acid and ADP platelet inhibition maximizes patency of small-diameter vascular grafts. Valentin LI, et al. **Surgery** 1988 Aug;104(2):178-84

ADENOSINE DIPHOSPHATE RIBOSE

METABOLISM

Tumor necrosis factor-mediated cytotoxicity involves ADP-ribosylation. Agarwal S, et al. **J Immunol** 1988 Jun 15;140(12):4187-92

ADENOSINE MONOPHOSPHATE

PHARMACOLOGY

Adenosine 3',5'-monophosphate, prostaglandins, and epinephrine stimulate the secretion of immunoreactive gonadotropin-releasing hormone from cultured human placental cells. Petraglia F, et al. **J Clin Endocrinol Metab** 1987 Nov;65(5):1020-5

Mitogenic effects of thyrotropin and adenosine 3',5'-monophosphate in differentiated normal human thyroid cells in vitro. Roger P, et al. **J Clin Endocrinol Metab** 1988 Jun;66(6):1158-65

ADENOSINE TRIPHOSPHATASE

DEFICIENCY

Sarcoplasmic reticulum adenosine triphosphatase deficiency with probable autosomal dominant inheritance. Danon MJ, et al. **Neurology** 1988 May;38(5):812-5

IMMUNOLOGY

Major parietal cell antigen in autoimmune gastritis with pernicious anemia is the acid-producing H+,K+-adenosine triphosphatase of the stomach. Karlsson FA, et al. **J Clin Invest** 1988 Feb;81(2):475-9

METABOLISM

Human myocardial adenosine triphosphatase activities in health and heart failure. Unverferth DV, et al. **Am Heart J** 1988 Jan;115(1 Pt 1):139-46

Ouabain-insensitive K-adenosine triphosphatase in distal nephron segments of the rabbit. Garg LC, et al. **J Clin Invest** 1988 Apr;81(4):1204-8

ADENOSINE TRIPHOSPHATASE, CALCIUM

BLOOD

Abnormal red-cell calcium pump in patients with idiopathic hypercalciuria. Bianchi G, et al. **N Engl J Med** 1988 Oct 6;319(14):897-901

IMMUNOLOGY

Monoclonal antibodies to human erythrocyte membrane Ca++-Mg++ adenosine triphosphatase pump recognize an epitope in the basolateral membrane of human kidney distal tubule cells. Borke JL, et al. **J Clin Invest** 1987 Nov;80(5):1225-31

ADENOSINE TRIPHOSPHATASE, MAGNESIUM

BLOOD

Abnormal red-cell calcium pump in patients with idiopathic hypercalciuria. Bianchi G, et al. **N Engl J Med** 1988 Oct 6;319(14):897-901

IMMUNOLOGY

Monoclonal antibodies to human erythrocyte membrane Ca++-Mg++ adenosine triphosphatase pump recognize an epitope in the basolateral membrane of human kidney distal tubule cells. Borke JL, et al. **J Clin Invest** 1987 Nov;80(5):1225-31

ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM

ANTAGONISTS & INHIBITORS

Purification and characterization of specific endogenous ouabainlike substance from bovine adrenal. Inagami T, et al. **Am J Med Sci** 1988 Apr;295(4):400-5

Fetal endoxin and pregnancy complication. Goodlin RC. **Am J Obstet Gynecol** 1988 Mar;158(3 Pt 1):529-30

BLOOD

Effect of treatment with hydrochlorothiazide on the red cell Na,K-adenosine triphosphatase in men with hypertension. Quintanilla AP, et al. **J Lab Clin Med** 1987 Nov;110(5):583-7

Sodium/potassium-adenosine triphosphatase on erythrocyte ghosts from pregnant women and its relationship to pregnancy-induced hypertension. Tranquilli AL, et al. **Obstet Gynecol** 1988 Apr;71(4):627-30

DEFICIENCY

ATPase activity defects in alloxan-induced diabetic sciatic nerve recovered by ganglioside treatment. Bianchi R, et al. **Diabetes** 1988 Oct;37(10):1340-5

METABOLISM

Glomerular Na+-K+-ATPase activity in acute and chronic diabetes and with aldose reductase inhibition. Cohen MP, et al. **Diabetes** 1988 May;37(5):558-62

Are disturbances of sorbitol, phosphoinositide, and Na+-K+-ATPase regulation involved in pathogenesis of diabetic neuropathy? Greene DA, et al. **Diabetes** 1988 Jun;37(6):688-93 (82 ref.)

Na+-K+-ATPase pumping activity is not directly linked to myo-inositol levels after sorbinil treatment in lenses of diabetic rats. Yeh LA, et al. **Diabetes** 1987 Dec;36(12):1414-9

Inverse relationship between colonic (Na+ + K+)-ATPase activity and degree of mucosal inflammation in inflammatory bowel disease. Allgayer H, et al. **Dig Dis Sci** 1988 Apr;33(4):417-22

Time course of Na,K transport and other metabolic responses to thyroid hormone in clone 9 cells. Haber RS, et al. **Endocrinology** 1988 Jul;123(1):238-47

Absorption of water and sodium and activity of adenosine triphosphatases in the rectal mucosa in tropical sprue. Ramakrishna BS, et al. **Gut** 1988 May;29(5):665-8

Modulation of Na-K-ATPase activity in the mouse medullary thick ascending limb of Henle. Effects of mineralocorticoids and sodium. Grossman EB, et al. **J Clin Invest** 1988 Mar;81(3):885-92

PHARMACOLOGY

Cellular electrophysiologic effects of vertebrate digitalis-like substances. Kieval RS, et al. **J Am Coll Cardiol** 1988 Mar;11(3):637-43

ADENOSINE TRIPHOSPHATE

ADMINISTRATION & DOSAGE

Alleviation of cyclosporine nephrotoxicity with verapamil and ATP-MgCl2. Mitochondrial respiratory and calcium studies. Sumpio BE, et al. **Ann Surg** 1987 Nov;206(5):655-60

BLOOD

The effect of the platelet count on the aggregation response and adenosine triphosphate release in an impedance lumi-aggregometer. Sweeney JD, et al. **Am J Clin Pathol** 1988 May;89(5):655-9

DEFICIENCY

Inhibition of endothelial cell retraction by ATP depletion. Wysolmerski RB, et al. **Am J Pathol** 1988 Jul;132(1):28-37

DIAGNOSTIC USE

Comparative effects of adenosine triphosphate on accessory pathway and atrioventricular nodal conduction. Rinne C, et al. **Am Heart J** 1988 May;115(5):1042-7

METABOLISM

In vivo alterations of high-energy phosphates and intracellular pH during reversible ischemia in pigs: a 31P magnetic resonance spectroscopy study. Camacho SA, et al. **Am Heart J** 1988 Sep;116(3):701-8

ATP and microfilaments in cellular oxidant injury. Hinshaw DB, et al. **Am J Pathol** 1988 Sep;132(3):479-88

Myocardial adenosine triphosphate content as a measure of metabolic and functional myocardial protection in children undergoing cardiac operation. Hammon JW Jr, et al. **Ann Thorac Surg** 1987 Nov;44(5):467-70

Improvement in myocardial performance without a decrease in high-energy phosphate metabolites after isoproterenol in Syrian cardiomyopathic hamsters. Camacho SA, et al. **Circulation** 1988 Mar;77(3):712-9

Contractile dysfunction and ATP depletion after transient calcium overload in perfused ferret hearts. Kitakaze M, et al. **Circulation** 1988 Mar;77(3):685-95

Luteolysis is linked to luteinizing hormone-induced depletion of adenosine triphosphate in vivo. Soodak LK, et al. **Endocrinology** 1988 Jan;122(1):187-93

Decreased loss of liver adenosine triphosphate during hypothermic preservation in rats pretreated with glucose: implications for organ donor management. Palombo JD, et al. **Gastroenterology** 1988 Oct;95(4):1043-9

Alterations in cation homeostasis in cultured chick ventricular cells during and after recovery from adenosine triphosphate depletion. Ishida H, et al. **J Clin Invest** 1988 Apr;81(4):1173-81

31P nuclear magnetic resonance studies of high energy phosphates and pH in human muscle fatigue. Comparison of aerobic and anaerobic exercise. Miller RG, et al. **J Clin Invest** 1988 Apr;81(4):1190-6

Inhibition of tumor high-energy phosphate metabolism by insulin combined with rhodamine 123. Arbeit JM, et al. **Surgery** 1988 Aug;104(2):161-70

PHARMACOLOGY

Comparative quantitative electrophysiologic effects of adenosine triphosphate on the sinus node and atrioventricular node. Sharma AD, et al. **Am J Cardiol** 1988 Feb 1;61(4):330-5

Mechanisms of enhanced canine subendocardial perfusion. A comparison of adenosine triphosphate and sodium nitroprusside. Pelc LR, et al. **Anesth Analg** 1988 Jun;67(6):514-20

Effects of adenosine triphosphate and alkaline phosphatase on solubilized 3,5,3'-triiodothyronine-binding activity. Faure R, et al. **Endocrinology** 1988 Sep;123(3):1245-52

(De)phosphorylation agents influence 5 alpha-reduction of testosterone in human prostate. Le Goff JM, et al. **Endocrinology** 1988 Sep;123(3):1693-5

Stimulation of human neutrophil adhesive properties by adenine nucleotides. Freyer DR, et al. **J Immunol** 1988 Jul 15;141(2):580-6

PHYSIOLOGY

ATP-sensitive K+ channels in pancreatic beta-cells. Spare-channel hypothesis. Cook DL, et al. **Diabetes** 1988 May;37(5):495-8

Importance of adenosine triphosphate in phospholipase A2-induced rabbit renal proximal tubule cell injury. Nguyen VD, et al. **J Clin Invest** 1988 Sep;82(3):1098-105

Regulation of the rabbit ileal brush-border Na+/H+ exchanger by an ATP-requiring Ca++/calmodulin-mediated process. Rood RP, et al. **J Clin Invest** 1988 Sep;82(3):1091-7

Inhibitory effect of exogenous arachidonic acid on alveolar macrophage 5-lipoxygenase metabolism. Role of ATP depletion. Peters-Golden M, et al. **J Immunol** 1988 Mar 15;140(6):1958-66

THERAPEUTIC USE

Termination of focal atrial tachycardia by adenosine triphosphate. Perelman MS, et al. **Br Heart J** 1987 Nov;58(5):528-30

Comparative clinical and electrophysiologic effects of adenosine triphosphate and verapamil on paroxysmal reciprocating junctional tachycardia. Belhassen B, et al. **Circulation** 1988 Apr;77(4):795-805

S-ADENOSYLMETHIONINE

CEREBROSPINAL FLUID

Demyelination and decreased S-adenosylmethionine in 5,10-methylenetetrahydrofolate reductase deficiency. Hyland K, et al. **Neurology** 1988 Mar;38(3):459-62

PHARMACOKINETICS

Pharmacologic aspects of S-adenosylmethionine. Pharmacokinetics and pharmacodynamics. Stramentinoli G. **Am J Med** 1987 Nov 20;83(5A):35-42 (38 ref.)

PHARMACOLOGY

Neuropharmacology of S-adenosyl-L-methionine. Baldessarini RJ. **Am J Med** 1987 Nov 20;83(5A):95-103 (79 ref.)

Effects of S-adenosylmethionine on human articular chondrocyte differentiation. An in vitro study. Harmand MF, et al. **Am J Med** 1987 Nov 20;83(5A):48-54

Cytoprotective effect of S-adenosylmethionine compared with that of misoprostol against ethanol-, aspirin-, and stress-induced gastric damage. Laudanno OM. **Am J Med** 1987 Nov 20;83(5A):43-7

THERAPEUTIC USE

Osteoarthritis: the clinical picture, pathogenesis, and management with studies on a new therapeutic agent, S-adenosylmethionine. Proceedings of a symposium. April 29 to May 4, 1986, New York, New York. **Am J Med** 1987 Nov 20;83(5A):1-110

Effect of S-adenosylmethionine on experimental osteoarthritis in rabbits. Barceló HA, et al. **Am J Med** 1987 Nov 20;83(5A):55-9

A new medical approach to the treatment of osteoarthritis. Report of an open phase IV study with ademetionine (Gumbaral). Berger R, et al. **Am J Med** 1987 Nov 20;83(5A):84-8

S-adenosylmethionine and affective disorder. Carney MW, et al. **Am J Med** 1987 Nov 20;83(5A):104-6

Italian double-blind multicenter study comparing S-adenosylmethionine, naproxen, and placebo in the treatment of degenerative joint disease. Caruso I, et al. **Am J Med** 1987 Nov 20;83(5A):66-71

S-adenosylmethionine in the treatment of osteoarthritis. Review of the clinical studies. di Padova C. **Am J Med** 1987 Nov 20;83(5A):60-5

A long-term (two years) clinical trial with S-adenosylmethionine for the treatment of osteoarthritis. König B. **Am J Med** 1987 Nov 20;83(5A):89-94

Double-blind controlled clinical trial of oral S-adenosylmethionine versus piroxicam in knee osteoarthritis. Maccagno A, et al. **Am J Med** 1987 Nov 20;83(5A):72-7

Double-blind clinical trial of S-adenosylmethionine versus ibuprofen in the treatment of osteoarthritis. Müller-Fassbender H. **Am J Med** 1987 Nov 20;83(5A):81-3

Osteoarthritis: the clinical picture, pathogenesis, and management with studies on a new therapeutic agent, S-adenosylmethionine. Schumacher HR Jr. **Am J Med** 1987 Nov 20;83(5A):1-4

Evaluation of S-adenosylmethionine in primary fibromyalgia. A double-blind crossover study. Tavoni A, et al. **Am J Med** 1987 Nov 20;83(5A):107-10

Double-blind comparative clinical trial with S-adenosylmethionine and indomethacin in the treatment of osteoarthritis. Vetter G. **Am J Med** 1987 Nov 20;83(5A):78-80

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ETIOLOGY

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ANEMIA, SIDEROBLASTIC

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BLOOD

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ADVERSE EFFECTS

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CARBOXY-LYASES

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Histamine-producing cell-stimulating activity. Interleukin 3 and granulocyte-macrophage colony-stimulating factor induce de novo synthesis of histidine decarboxylase in hemopoietic progenitor cells. Schneider E, et al. **J Immunol** 1987 Dec 1;139(11):3710-7

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Effect of aging on AXC/SSh rat ventral and dorsolateral prostate S-adenosyl-L-methionine decarboxylase and L-ornithine decarboxylase messenger ribonucleic acid content. Schultz JJ, et al. **Endocrinology** 1988 Jan;122(1):120-6

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Vitamin D deficiency and low osteocalcin concentrations in anorexia nervosa. Fonseca VA, et al. **J Clin Pathol** 1988 Feb;41(2):195-7

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CARCINOMA 256, WALKER

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CARCINOMA, BRONCHIOLAR

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RADIONUCLIDE IMAGING

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CARCINOMA, DUCTAL

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SURGERY

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CARCINOMA IN SITU

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Ankle muscle activity during gait in children with cerebral palsy and equinovarus deformity. Brunt D, et al. **Arch Phys Med Rehabil** 1988 Feb;69(2):115–7

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CEREBRAL SCLEROSIS, DIFFUSE

BLOOD

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DRUG THERAPY

Childhood adrenoleukodystrophy. Failure of intensive immunosuppression to arrest neurologic progression. Naidu S, et al. **Arch Neurol** 1988 Aug;45(8):846–8

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GANGLIONIC BLOCKADERS

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Sphenopalatine ganglion blocks for the treatment of nicotine addiction. Henneberger JT, et al. **South Med J** 1988 Jul;81(7):832-6

GANGLIOSIDES

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GANGLIOSIDOSIS

FAMILIAL & GENETIC

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GANGRENE

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PATHOLOGY

Natural history of gastric adenomas in patients with familial adenomatosis coli/Gardner's syndrome. Iida M, et al. **Cancer** 1988 Feb 1;61(3):605-11

PHYSIOPATHOLOGY

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RADIONUCLIDE IMAGING

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ADVERSE EFFECTS

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GLOMERULONEPHRITIS, IGA

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GOLD THIOMALATE

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GRAM-NEGATIVE ANAEROBIC BACTERIA

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Coregulation of NADPH oxidase activation and phosphorylation of a 48-kD protein(s) by a cytosolic factor defective in autosomal recessive chronic granulomatous disease. Caldwell SE, et al. **J Clin Invest** 1988 May;81(5):1485-96

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GRANULOSA CELL TUMOR

COMPLICATIONS

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Inhibition of follicle-stimulating hormone- and adenosine-3',5'-cyclic monophosphate-induced progesterone production by calcium and protein kinase C in the rat ovary. Leung PC, et al. **Am J Obstet Gynecol** 1988 Feb;158(2):350-6

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Concomitant effects of growth hormone on secretion of insulin-like growth factor I and progesterone by cultured porcine granulosa cells. Hsu CJ, et al. **Endocrinology** 1987 Oct;121(4):1343-8

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GRASSES

IMMUNOLOGY

A study of the human immune response to Lolium perenne (rye) pollen and its components, Lol p I and Lol p II (Rye I and Rye II). II. Longitudinal variation of antibody levels in relation to symptomatology and pollen exposure and correction of seasonally elevated antibody levels to basal values. Freidhoff LR, et al. **J Allergy Clin Immunol** 1987 Nov;80(5):646-55

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GRASSHOPPERS

IMMUNOLOGY

Occupational allergy to locusts: an investigation of the sources of the allergen. Tee RD, et al. **J Allergy Clin Immunol** 1988 Mar;81(3):517-25

GRAVES' DISEASE

Graves' disease. Manifestations and therapeutic options. McFarland KF, et al. **Postgrad Med** 1988 Mar;83(4):275-82

BLOOD

High serum progesterone in hyperthyroid men with Graves' disease. Nomura K, et al. **J Clin Endocrinol Metab** 1988 Jan;66(1):230-2

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GUANINE NUCLEOTIDE REGULATORY PROTEIN

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GUANINE NUCLEOTIDES

PHARMACOLOGY

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GUANOSINE

ANALOGS & DERIVATIVES

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GUANOSINE CYCLIC MONOPHOSPHATE

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GUANYL CYCLASE

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3-HYDROXYACYL COA DEHYDROGENASES

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HYDROXYBUTYRATES

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ANALYSIS

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THERAPEUTIC USE

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17-HYDROXYCORTICOSTEROIDS

ANALYSIS

Prenatal diagnosis of 21-hydroxylase deficiency congenital adrenal hyperplasia by simultaneous radioimmunoassay of 21-deoxycortisol and 17-hydroxyprogesterone in amniotic fluid. Gueux B, et al. **J Clin Endocrinol Metab** 1988 Mar; 66(3):534-7

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HYDROXYCORTICOSTEROIDS, SYNTHETIC

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HYDROXYEICOSATETRAENOIC ACIDS

BIOSYNTHESIS

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BLOOD

Proinflammatory lipoxygenase products from peripheral mononuclear cells in patients with rheumatoid arthritis. Colli S, et al. **J Lab Clin Med** 1988 Sep;112(3):357-62

PHARMACOLOGY

Mechanism involved in the mobilization of neutrophil calcium by 5-hydroxyeicosatetraenoate. O'Flaherty JT, et al. **J Immunol** 1988 Jun 15;140(12):4323-8

HYDROXYINDOLEACETIC ACID

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HYDROXYLAMINES

PHARMACOLOGY

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HYDROXYLASES

DEFICIENCY

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HYDROXYLYSINE

METABOLISM

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HYDROXYMETHYLGLUTARYL COA REDUCTASES

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BLOOD

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HYDROXYPROGESTERONES

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Prenatal diagnosis of 21-hydroxylase deficiency congenital adrenal hyperplasia by simultaneous radioimmunoassay of 21-deoxycortisol and 17-hydroxyprogesterone in amniotic fluid. Gueux B, et al. **J Clin Endocrinol Metab** 1988 Mar; 66(3):534-7

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METABOLISM

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PHARMACOLOGY

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HYDROXYPROLINE

URINE

Hydroxyproline as a marker for following patients with metastatic prostate cancer. O'Brien WM, et al. **J Urol** 1988 Jan;139(1):66-8

HYDROXYPROSTAGLANDIN DEHYDROGENASES

METABOLISM

In vitro activity of nicotinamide adenine dinucleotide- and nicotinamide adenine dinucleotide phosphate-linked 15-hydroxyprostaglandin dehydrogenases in placentas from normotensive and preeclamptic/eclamptic pregnancies. Jarabak J, et al. **J Clin Invest** 1987 Oct; 80(4):936-40

HYDROXYQUINOLINES

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DRUG THERAPY

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PHYSIOPATHOLOGY

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BLOOD

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ETIOLOGY

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BLOOD

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HYPERKALEMIA

CHEMICALLY INDUCED

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HYPERKINESIS

DIAGNOSIS

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HYPERLIPIDEMIA

BLOOD

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COMPLICATIONS

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DIAGNOSIS

New wine, old wineskins [editorial] **Am Fam Physician** 1988 Feb;37(2):124

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FAMILIAL & GENETIC

Familial dyslipidemic hypertension. Evidence from 58 Utah families for a syndrome present in approximately 12% of patients with essential hypertension. Williams RR, et al. **JAMA** 1988 Jun 24;259(24):3579–86

METABOLISM

Lipoprotein metabolism and the etiology of hyperlipidemia. Gotto AM Jr. **Hosp Pract [Off]** 1988 Jun;23 Suppl 1:4–13 (24 ref.)

PHYSIOPATHOLOGY

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When and how to treat the dyslipidemias. Schaefer EJ. **Hosp Pract [Off]** 1988 Jan 15;23(1):69–80, 83–4 (0 ref.)

HYPERLIPIDEMIA, FAMILIAL COMBINED

DRUG THERAPY

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FAMILIAL & GENETIC

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HYPERLIPOPROTEINEMIA

BLOOD

Feasibility and metabolic effects of a purified corn fiber food supplement. Earll L, et al. **J Am Diet Assoc** 1988 Aug; 88(8):950–2

DRUG THERAPY

Potential use of fenofibrate and other fibric acid derivatives in the clinic. Brown WV. **Am J Med** 1987 Nov 27; 83(5B):85–9

FAMILIAL & GENETIC

Type V hyperlipoproteinaemia in neonates. Thompson GN, et al. **Arch Dis Child** 1987 Sep;62(9):967–9

SURGERY

Predictors of total and low-density lipoprotein cholesterol change after partial ileal bypass. Campos CT, et al. **Am J Surg** 1988 Jan;155(1):138–46

THERAPY

Fish oil consumption reduces hypertriglyceridemia in psoriatic patients receiving etretinate therapy [letter] Lowe NJ, et al. **Arch Dermatol** 1988 Feb;124(2):177–8

HYPERLIPOPROTEINEMIA TYPE III

COMPLICATIONS

Dyslipidemia and accelerated atherosclerosis. Hazzard WR.

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Expression of type III hyperlipoproteinemia in an adolescent patient with hypothyroidism. Lindner MA, et al. **J Pediatr** 1988 Jul;113(1 Pt 1):86-9

DRUG THERAPY

Treatment of type III hyperlipoproteinemia with gemfibrozil to retard progression of coronary artery disease. Kuo PT, et al. **Am Heart J** 1988 Jul;116(1 Pt 1):85-90

Effect of fenofibrate treatment on type III hyperlipoproteinemia. Fruchart JC, et al. **Am J Med** 1987 Nov 27;83(5B):71-4

ETIOLOGY

Pre-beta-very low density lipoproteins as precursors of beta-very low density lipoproteins. A model for the pathogenesis of familial dysbetalipoproteinemia (type III hyperlipoproteinemia). Chappell DA. **J Clin Invest** 1988 Aug;82(2):628-39

HYPERLIPOPROTEINEMIA TYPE IV

BLOOD

Long-term effect of a low-fat, high-carbohydrate diet on plasma lipids of patients affected by familial endogenous hypertriglyceridemia. Cominacini L, et al **Am J Clin Nutr** 1988 Jul;48(1):57-65

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DRUG THERAPY

Effects of a low saturated fat, low cholesterol fish oil supplement in hypertriglyceridemic patients. A placebo-controlled trial. Harris WS, et al. **Ann Intern Med** 1988 Sep 15;109(6):465-70

HYPERNATREMIA

Osmotic failure: physiology and strategies for treatment. Arieff AI. **Hosp Pract [Off]** 1988 May 15;23(5):173-8, 183-4, 187-9 passim (0 ref.)

BLOOD

Impaired arginine-vasopressin secretion associated with hypoangiotensinemia in hypernatremic dehydrated elderly patients. Yamamoto T, et al. **JAMA** 1988 Feb 19;259(7):1039-42

CHEMICALLY INDUCED

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ETIOLOGY

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PHYSIOPATHOLOGY

Geriatric hypernatremia [corrected] [editorial] [published erratum appears in Ann Intern Med 1988 Jan;108(1):161] Beck LH, et al. **Ann Intern Med** 1987 Nov;107(5):768-9

THERAPY

Management of hypernatremic dehydration due to insufficient lactation. Thullen JD. **Clin Pediatr (Phila)** 1988 Aug;27(8):370-2

HYPEROXALURIA

COMPLICATIONS

Livedo reticularis and peripheral gangrene associated with primary hyperoxaluria. Baethge BA, et al. **Arthritis Rheum** 1988 Sep;31(9):1199-203

DIAGNOSIS

Prenatal exclusion of primary hyperoxaluria type 1 [letter] Danpure CJ, et al. **Lancet** 1988 Feb 13;1(8581):367

HYPERPARATHYROIDISM

Diagnosis and management of primary hyperparathyroidism. Sherwood LM. **Hosp Pract [Off]** 1988 Mar 30;23(3A):9-10, 15

Primary hyperparathyroidism: its clinical pattern and results of surgical treatment in Hong Kong Chinese. Cheung PS, et al. **Surgery** 1988 May;103(5):558-62

BLOOD

Influence of furosemide on parathyroid hormone levels in hyperparathyroidism [letter] Petit WA Jr, et al. **N Engl J Med** 1988 Mar 10;318(10):644-5

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COMPLICATIONS

Fatal cardiac calcifications secondary to primary hyperparathyroidism. Katz JH, et al. **Am J Med** 1988 Jul;85(1):122-3

The relationship between primary hyperparathyroidism and diabetes mellitus. Bannon MP, et al. **Ann Surg** 1988 Apr;207(4):430-3

Pancreatitis and hyperparathyroidism. Sitges-Serra A, et al. **Br J Surg** 1988 Feb;75(2):158-60 (33 ref.)

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Osteomalacia as a very late manifestation of primary hyperparathyroidism. Kaplan FS, et al. **Clin Orthop** 1988 Mar;(228):26-32

Hyperparathyroidism in patients with myotonic dystrophy. Yoshida H, et al. **J Clin Endocrinol Metab** 1988 Sep;67(3):488-92

Rapidly progressive aortic stenosis associated with hyperparathyroidism in renal failure [letter] **Lancet** 1988 Jan 30;1(8579):246-7

Erosive spondyloarthropathy in long-term dialysis patients: relationship to severe hyperparathyroidism. McCarthy JT, et al. **Mayo Clin Proc** 1988 May;63(5):446-52

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FAMILIAL & GENETIC

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LEYDIG CELL TUMOR

CHEMICALLY INDUCED

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LYMPHOCYTE DEPLETION

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PATHOLOGY

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COMPLICATIONS

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THERAPY

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CHEMICALLY INDUCED

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PEPTOCOCCUS

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PEPTOSTREPTOCOCCUS

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PERIARTERITIS NODOSA

COMPLICATIONS

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COMPLICATIONS

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FAMILIAL & GENETIC

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COMPLICATIONS

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FAMILIAL & GENETIC

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POLYPS

COMPLICATIONS

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PROSTAGLANDINS F, SYNTHETIC

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PROTEIN-TYROSINE KINASE

ANTAGONISTS & INHIBITORS

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PHARMACOLOGY

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THERAPEUTIC USE

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PYRIMIDINONES

PHARMACOLOGY

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ADVERSE EFFECTS

Adverse drug reaction processing in the United States and its dependence on physician reporting: zomepirac (Zomax) as a case in point. Corre KA, et al. **Ann Emerg Med** 1988 Feb;17(2):145-9

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Disposition and irreversible plasma protein binding of tolmetin in humans. Hyneck ML, et al. **Clin Pharmacol Ther** 1988 Jul;44(1):107-14

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Enhancement of anesthetic effect of halothane by spiradoline, a selective kappa-agonist. Althaus JS, et al. **Anesth Analg** 1988 Sep;67(9):823-7

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Hypoxaemia after premedication in cardiac patients. Glycopyrronium compared with hyoscine. Hetreed MA. **Anaesthesia** 1988 Jan;43(1):52-3

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THERAPEUTIC USE

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RECEPTORS, DRUG

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RECEPTORS, ENDOGENOUS SUBSTANCES

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Fc receptors of liver sinusoidal endothelium in normal rats and humans. A histologic study with soluble immune complexes. Muro H, et al. **Gastroenterology** 1987 Nov; 93(5):1078–85

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A low molecular weight, heat-labile factor enhances neutrophil Fc receptor-mediated lysosomal enzyme release and phagocytosis. Blackburn WD Jr, et al. **Arthritis Rheum** 1987 Sep;30(9):1006–14

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RECEPTORS, FSH

ANALYSIS

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RECEPTORS, GABA-BENZODIAZEPINE

DRUG EFFECTS

Amelioration of hepatic encephalopathy by pharmacologic antagonism of the GABAA-benzodiazepine receptor complex in a rabbit model of fulminant hepatic failure. Bassett ML, et al. **Gastroenterology** 1987 Nov;93(5):1069–77

METABOLISM

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PHYSIOLOGY

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RECEPTORS, MUSCARINIC

ANALYSIS

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METABOLISM

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ANALYSIS

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DRUG EFFECTS

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METABOLISM

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PHYSIOLOGY

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RECEPTORS, NICOTINIC

ANALYSIS

Thymus in myasthenia gravis. Isolation of T-lymphocyte lines specific for the nicotinic acetylcholine receptor from thymuses of myasthenic patients. Melms A, et al. **J Clin Invest** 1988 Mar;81(3):902-8

IMMUNOLOGY

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METABOLISM

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RECEPTORS, PITUITARY HORMONE

ANALYSIS

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METABOLISM

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PHYSIOLOGY

A gonadotropin-releasing hormone (GnRH) antagonist decreases androgen production and spermatogonial multiplication in frog (Rana esculenta): indirect evidence for the existence of GnRH or GnRH-like material receptors in the hypophysis and testis. Di Matteo L, et al. **Endocrinology** 1988 Jan;122(1):62-7

RECEPTORS, PROGESTERONE

ANALYSIS

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Progesterone receptor distribution in the human endometrium. Analysis using monoclonal antibodies to the human progesterone receptor. Press MF, et al. **Am J Pathol** 1988 Apr;131(1):112-24

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DRUG EFFECTS

A dynamic test of hormonal sensitivity of gynecologic malignancy by use of an antiestrogen, tamoxifen. Ozasa H, et al. **Am J Obstet Gynecol** 1988 May;158(5):1120-3

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IMMUNOLOGY

The production of antibodies against the conserved cysteine region of steroid receptors and their use in characterizing the avian progesterone receptor. Smith DF, et al. **Endocrinology** 1988 Jun;122(6):2816–25

METABOLISM

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RECEPTORS, PROLACTIN

BIOSYNTHESIS

Prolactin (PRL) receptor induction in cultured rat hepatocytes: dual regulation by PRL and growth hormone. Barash I, et al. **Endocrinology** 1988 Mar;122(3):1151–8

METABOLISM

Effects of immunoneutralization of luteinizing hormone (LH)–releasing hormone on testicular prolactin and LH receptors in the golden hamster and on LH receptors in the Djungarian hamster. Bartke A, et al. **Endocrinology** 1987 Dec;121(6):2027–34

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RECEPTORS, PROSTAGLANDIN

ANALYSIS

Topographical distribution of prostaglandin E receptors in human myometrium. Adelantado JM, et al. **Br J Obstet Gynaecol** 1988 Apr;95(4):348–53

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ANTAGONISTS & INHIBITORS

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DRUG EFFECTS

Role of proaggregatory and antiaggregatory prostaglandins in hemostasis. Studies with combined thromboxane synthase inhibition and thromboxane receptor antagonism. Gresele P, et al. **J Clin Invest** 1987 Nov;80(5):1435–45

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PHYSIOLOGY

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RECEPTORS, PURINERGIC

DRUG EFFECTS

Multiple components of the A1 adenosine receptor–adenylate cyclase system are regulated in rat cerebral cortex by chronic caffeine ingestion. Ramkumar V, et al. **J Clin Invest** 1988 Jul;82(1):242–7

IMMUNOLOGY

Monoclonal antibodies to adenosine receptor by an auto–anti–idiotypic approach. Ku HH, et al. **J Immunol** 1987 Oct 1;139(7):2376–84

METABOLISM

Identification of high–affinity (Kd 0.35 mumol/L) and low–affinity (Kd 7.9 mumol/L) platelet binding sites for ADP and competition by ADP analogues. Jefferson JR, et al. **Blood** 1988 Jan;71(1):110–6

Inhibition by islet–activating protein, pertussis toxin, of P2–purinergic receptor–mediated iodide efflux and phosphoinositide turnover in FRTL–5 cells. Okajima F, et al. **Endocrinology** 1988 Aug;123(2):1035–43

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SULFITES

ADVERSE EFFECTS

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ADVERSE EFFECTS

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BLOOD

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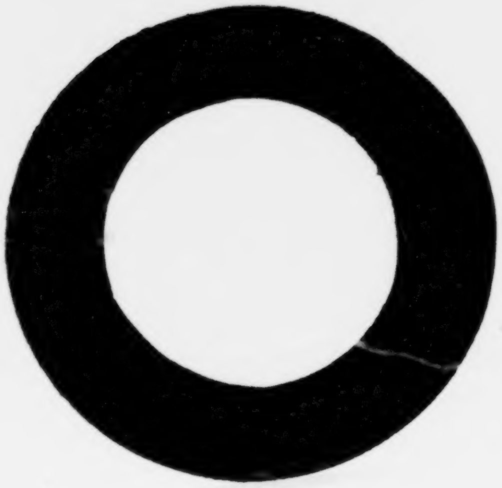

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The format of *Cumulated Abridged Index Medicus (C-AIM)* is identical to that of the monthly *Abridged Index Medicus (AIM)* with one exception: modifying subheadings are included in *C-AIM* under most subject descriptors. Subheadings used, and their definitions, are listed in the introduction to *Medical Subject Headings (MeSH®)*, which appears annually with the January issue of *Index Medicus®*.

The introduction to *AIM* contains information intended to aid its user. It is reproduced below, for it applies equally to *C-AIM*.

INTRODUCTION TO ABRIDGED INDEX MEDICUS

The *Abridged Index Medicus (AIM)* is designed to afford rapid access to selected biomedical journal literature of immediate interest to the practicing physician.

Each issue contains citations from 118 English-language journals, representing a subset of one month's input into the National Library of Medicine's computer-based MEDLARS® (Medical Literature Analysis and Retrieval System). The selection of the journals was made by the Library with guidance from a group of consultants consisting of physicians, medical editors, and medical librarians. Consideration was given to the quality of the journals, usefulness of journal content for the medical practitioner, and the need for providing coverage of all fields of clinical medicine. In some fields, where there are more high-quality journals than could be included in the bibliography, consideration was given to the availability of the journals to the American practitioner. In limiting the size of *AIM* it was necessary to omit many excellent publications. The list of journals indexed will be reviewed periodically and is subject to change. On those occasions when a physician's interests require a scanning of the literature that is not contained in *AIM*, he may turn to the full *Index Medicus®* and to numerous other bibliographic sources.

Journal issues do not arrive at the National Library of Medicine with perfect regularity, nor is it possible to maintain a precise schedule for indexing. Therefore, a given month's *AIM* may contain citations to articles from more than one issue of a monthly journal, or a journal may not be covered in a given issue of *AIM*.

USING ABRIDGED INDEX MEDICUS

Subject Headings

Input to MEDLARS® begins with the indexing of journal articles. The content of each article is analyzed and described by a group of terms (subject headings) selected from *Medical Subject Headings (MeSH®)*, the National Library of Medicine's authority list of technical terms. The bibliographic citations in *Abridged Index Medicus* appear under those subject headings. An acquaintance with *MeSH* will help the user of *AIM* determine which specific headings to consult.

When articles are indexed, the most specific term available in *MeSH* is used. Thus, if an article is concerned with erythromycin, it would be indexed under that term, rather than the broader ANTIBIOTICS. Under the latter term, one would find only: (a) articles dealing with antibiotics generally, (b) those that deal in a very general way with a large number of named antibodies, or (c) those that deal with specific antibiotics which have not been separately listed in *MeSH*.

The physician who is interested in one concept may find that the broader term is also worth examining for articles of possible interest. Although one may be interested primarily in antifungal antibiotics, articles on the general subject of antifungal agents may be useful.

The physician who wants articles on some aspect of the use of antibiotics in pediatric practice would certainly want not only general articles that would appear under ANTIBIOTICS, but also those concerned with specific antibiotics.

Monthly issues of *Abridged Index Medicus* are arranged in two sections: Subject Section and Author Section.

Subject Section

Each article cited in *AIM* will be found under several subject headings which represent the central concepts of the articles. The citation appears in full under each subject heading. Each citation contains the following elements, in order: title of article; first author; journal title abbreviation; date of issue; volume number; issue, part or supplement; and inclusive pagination.

Example:

> Hemophilia A: carrier detection and prenatal diagnosis by DNA analysis. Pecorara M, et al. **Blood** 1987 Aug; 70(2):531-5

The above citation appears under four subject headings:

DNA
HEMOPHILIA
HETEROZYGOTE DETECTION
PRENATAL DIAGNOSIS

In the citations, under each of the subject headings, only the first author's name appears. For names of other authors, refer to the Author Section.

Journal titles are abbreviated; the full title may be found by reference to the abbreviation listing on the next page.

Author Section

References in the Author Section cite authors' names; title of article; journal title abbreviations; date of issue; volume number; issue, part or supplement; and inclusive pagination.

Example:

> **Mahir MS, Hynd JW, Flute PT, Dormandy JA.** Effect of defibrinogenation on the early patency rate of experimental small calibre arterial grafts. Br J Surg 1987 Jun;74(6):508-10

An Author Section citation may provide the names of as many as ten authors of an article. If an article has eleven or more authors, this is indicated by''et al'' after the tenth author's name. The complete citation is printed only under the first author's name; the second through the tenth authors' names are cross-referenced to the full citation under the first author's name, thus:

> **Kersey, JH, Weisdorf D, Nesbit ME, LeBien TW, Woods WG, McGlave PB, Kim T. Vallera DA, Goldman AI, Bostrom B, et al.** Comparison of autologous and allogeneic bone marrow transplantation for treatment of high-risk refractory acute lymphoblastic leukemia. N Engl J Med 1987 Aug 20;317(8):461-7

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Abbadini M, Zhu GJ, Maggi A, et al: Dermatan sulphate induces plasminogen activator release in the perfused rat hindquarters. Blood 1987 Dec;70(6):1858–60

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